

Claims

Sub A 5
1. A carpet comprising a stainproof-treated textile, wherein the carpet has stainproof ratio as defined below of at least 30 %:

5 Stainproof ratio (%) = $100 \times (\Delta E_N - \Delta E_{Tn}) / \Delta E_N$

ΔE_N : Color difference after stainproof test of untreated carpet

ΔE_{Tn} : Color difference after stainproof test of carpet which is stainproof-treated

10 wherein n is the number of cleaning; cleaning is conducted according to AATCC-138, $n \leq 20$).

2. The carpet according to claim 1 wherein the carpet maintain stainproof ratio of at least 30 % after five times of cleaning.

Sub A 6
3. The carpet according to claim 1 wherein a dry soil composition used in the stainproof test according to AATCC-123 is shown in the following table:

	Composition	Content (% by weight)
	Peat moss	38.4
20	Cement	18
	Kaoline	18
	Silica	18
	Carbon black	1.15
	Iron oxide	0.3
25	Nujol	6.25

4. The carpet according to claim 1 which is

treated with a stainproofing agent composition for carpet comprising:

(1) a fluorine-containing stainproofing agent comprising a fluoroalkyl-containing compound; and

5 (2) a triazine ring-containing crosslinking agent.

5. The carpet according to claim 4 wherein the fluorine-containing stainproofing agent comprising a fluoroalkyl-containing compound comprises at least one selected from the group consisting of fluoroalkyl-
10 containing maleic acid diester copolymer, fluoroalkyl-containing adipic acid diester compound and fluoroalkyl-containing urethane compound.

6. A stainproofing agent composition for carpet comprising:

15 (1) a fluorine-containing stainproofing agent comprising a fluoroalkyl-containing compound; and

(2) a triazine ring-containing crosslinking agent.

7. The stainproofing agent composition according to claim 6 wherein the fluorine-containing
20 stainproofing agent comprising a fluoroalkyl-containing compound comprises at least one selected from the group consisting of fluoroalkyl-containing maleic acid diester

0360429-0360555

Sub A7

copolymer, fluoroalkyl-containing adipic acid diester compound and fluoroalkyl-containing urethane compound.

8. A method for treating carpet with the stainproofing agent composition for carpet according to claims 6.

9. The stainproofing agent composition for carpet according to claims 6 which further comprises at least one selected from the group consisting of PEG and a copolymer comprising:

- (1) at least one monomer selected from the group consisting of acrylate and methacrylate which have a polyoxyethylene chain; and
- (2) at least one reactive monomer selected from the group consisting of glycerol methacrylate and glycidyl methacrylate.

10. The carpet according to claim 1 treated with the stainproofing agent composition according to claim 9.

11. The method according to claim 8 wherein the carpet is treated with the stainproofing agent composition according to claim 9.

12. The carpet according to claim 1 which is

SubAB

09368429-080599

blue with L=40 to 80; a=+0.1 to -0.8; and b=-13 to -25.

13. The carpet according to claim 1 which maintains stainproof ratio of at least 20% after recontamination when the carpet is subjected to a test cycle of contamination, cleaning and recontamination.
- 5

ADD
D3

0936429 080599
665080 52489660